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Status Report for the Period  
of 17 April through 4 June on Photo  
Interpreter Performance Studies

The work conducted in this reporting period included coordination of the study effort with [ ] personnel, and conducting a target and imagery search for test material to support a human factors study on the use of stereo in hunting for targets. An approach to the imagery selection task was agreed upon by the [ ] personnel. The first requirement was to interview approximately 30 interpreters to determine what targets the interpreter feels stereo clues are necessary in rapid hunting for targets. These interviews allowed us to narrow down our target lists into four categories, missiles, electronics, ships and nuclear testing.

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Two categories, missiles and some electronic installations, have been screened and selected for photo reproduction. Approximately 200 different missile sites are represented on the imagery and covered under a multiple of variables such as weather, ground cover, and sun angle. For all the sites, "truth" packets are being prepared so as to correlate the test results (interpreter responses) with the image record. The sites are plotted on ATC 1:200,000 maps and also possibly plotted on duplicate photo prints of the positive transparencies used in the test. A brief description defines the status of each site.

We hope to have approximately 100 film chips of the four target categories to use as input for the stereo study.

One trip, by [ ] was made to [ ] in support of the stereo study.

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The following is a list of hours and total funds, including travel expended to date:

Consulting Engineer  
Senior Engineer  
Engineer  
Assistant Engineer  
Clerical

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Total Cost [ ]

NGA Review Complete

Project 03017

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